

Equipment designed and installed to comply with ABYC Standards A-3 and A-7 or Chapter 6 of NFPA 302 meets this requirement.

(b) The use of gasoline for cooking, heating, or lighting is prohibited.

(c) The use of liquefied petroleum gas for cooking, heating, or other purposes must comply with subpart 58.16 of this chapter.

(d) Each electric space-heater must be provided with a thermal cut-out to prevent overheating.

(e) Each element of an electric space-heater must be enclosed, and the case or jacket of the element made of a corrosion-resistant material.

(f) Each electrical connection for a cooking appliance must be drip-proof.

§ 129.560 Engine-order telegraphs.

No OSV need carry an engine-order telegraph, provided the vessel meets the requirements of § 113.35-3(d) of this chapter.

PART 130—VESSEL CONTROL, AND MISCELLANEOUS EQUIPMENT AND SYSTEMS

Subpart A—Vessel Control

Sec.

130.110 Internal communications on OSVs of less than 100 gross tons.

130.120 Propulsion control.

130.130 Steering on OSVs of less than 100 gross tons.

130.140 Steering on OSVs of 100 or more gross tons.

Subpart B—Miscellaneous Equipment and Systems

130.210 Radiotelegraph and radiotelephone.

130.220 Design of equipment for cooking and heating.

130.230 Protection from refrigerants.

130.240 Anchors and chains for OSVs of 100 or more gross tons.

130.250 Mooring and towing equipment for OSVs of less than 100 gross tons.

Subpart C—Navigational Equipment

130.310 Radar.

130.320 Electronic position-fixing device.

130.330 Charts and nautical publications.

130.340 Compass.

Subpart D—Automation of Unattended Machinery Spaces

130.400 Applicability.

130.410 General.

130.420 Controls.

130.430 Pilothouse control.

130.440 Communications system.

130.450 Machinery alarms.

130.460 Placement of machinery alarms.

130.470 Fire alarms.

130.480 Test procedure and operations manual.

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Subpart A—Vessel Control

§ 130.110 Internal communications on OSVs of less than 100 gross tons.

Each vessel of less than 100 gross tons equipped with an independent auxiliary means of steering, as required by § 130.130(b) of this subpart, must have a fixed means of communication between the pilothouse and the place where the auxiliary means of steering is controlled.

§ 130.120 Propulsion control.

(a) Each vessel must have—

(1) A propulsion-control system operable from the pilothouse; and

(2) A means at each propulsion engine of readily disabling the propulsion-control system to permit local operation.

(b) Each propulsion-control system operable from the pilothouse must enable—

(1) Control of the speed of each propulsion engine;

(2) Control of the direction of propeller-shaft rotation;

(3) Control of propeller pitch, if a controllable-pitch propeller is fitted; and

(4) Shutdown of each propulsion engine.

(c) The propulsion-control system operable from the pilothouse may constitute the remote stopping-system required by § 129.540 of this subchapter.

(d) Each propulsion-control system, including one operable from the pilot-house, must be designed so that no one complete or partial failure of an easily replaceable component of the system allows the propulsion engine to overspeed or the pitch of the propeller to increase.

§ 130.130 Steering on OSVs of less than 100 gross tons.

(a) Each OSV of less than 100 gross tons must have a steering system that complies with—

- (1) Section 130.140 of this subpart; or
- (2) This section.

(b) Except as provided by paragraph (i) of this section, each vessel must have a main and an independent auxiliary means of steering.

(c) The main means of steering (main steering gear) must be—

(1) Of adequate strength for, and capable of, steering the OSV at each service speed;

(2) Designed to operate at maximum astern speed without being damaged; and

(3) Capable of moving the rudder from 35 degrees on one side to 30 degrees on the other side in no more than 28 seconds with the vessel moving ahead at maximum service speed.

(d) Control of the main steering gear must be available from the pilothouse, including control of any necessary ancillary device (motor, pump, valve, or the like). If a power-driven main steering gear is used, a pilot light must be installed in the pilothouse to indicate operation of the power units.

(e) The auxiliary means of steering (auxiliary steering gear) must be—

(1) Of adequate strength for steering the OSV at navigable speed;

(2) Capable of steering the vessel at navigable speed; and

(3) Controlled from a place that—

(i) Can communicate with the pilothouse; or

(ii) Enables the master to safely maneuver the vessel.

(f) The steering gear must be designed so that transfer from the main steering gear or its control to the auxiliary steering gear or its control can be achieved rapidly. Any tools or equipment necessary for transfer must

be readily available. Instructions for transfer must be posted.

(g) Each vessel must have instantaneous protection against short circuit for electrical-power circuits and control circuits, the protection sized and located to comply with §§ 58.25–55 (d) and (e) of this chapter.

(h) A rudder-angle indicator independent of the control of the main steering gear must be installed at the steering-control station in the pilothouse.

(i) No auxiliary steering gear need be installed if—

(1) The main steering gear, including power systems, is installed in duplicate; or

(2) Multiple-screw propulsion—with independent control of propulsion from the pilothouse for each screw and with a means to restrain and center the rudder—is installed, and if that control is capable of steering the OSV.

(j) Each vessel with duplicate (parallel but cross-connected) power systems for the main steering gear by way of compliance with paragraph (i)(1) of this section may use one of the systems for other purposes if—

(1) Control of the subordinate parallel system is located at the steering-control station in the pilothouse;

(2) Full power is available to the main steering gear when the subordinate parallel system is not in operation;

(3) The subordinate parallel system can be isolated from the means of steering, and instructions on procedures for isolating it are posted; and

(4) The subordinate parallel system is materially equivalent to the steering system.

§ 130.140 Steering on OSVs of 100 or more gross tons.

(a) Each OSV of 100 or more gross tons must have a means of steering that meets the—

(1) Applicable requirements of subchapters F and J of this chapter; or

(2) Requirements for a hydraulic-helm steering-system in paragraph (b) of this section.

(b) Each hydraulic-helm steering-system must have the following:

(1) A main steering gear of adequate strength for, and capable of, steering